

Patent Abstracts of Japan

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APPLICANT : CHUGAI PHARMACEUT CO LTD;

INVENTOR : YOSHIKI YUMIKO;

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45/06 B01J 20/22 C09K 3/00

TITLE : COMPOSITION FOR REMOVING ACTIVE OXYGEN FREE RADICAL AND REMOVAL
THEREOF

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a composition capable of removing active oxygen
free radicals causing injurious actions such as cytotoxicity and preventing and reducing
various disorders such as oxidative stress or aging by combining an active oxygen free
radical scavenger with a specific component.

SOLUTION: This composition comprises (A) an active oxygen free radical scavenger (e.g.
preferably catechins or a tannin-polyphenol) and (B) one or more substances selected
from uronic acids (e.g. D-glucuronic acid), uronides (e.g. polyuronide-polysaccharides),
mucopolysaccharides (e.g. hyaluronic acid) and amino acid-peptides (e.g. an oligopeptide
comprising about 2 to several amino acids).

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AP - JP19960057678 19960314
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MC - B04-A07E C04-A07E B04-C02E C04-C02E B04-N04 C04-N04 B06-A01 C06-A01
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E11-Q02 E31-D02
M2 - [01] C108 C550 C810 M411 M750 M903 M904 M910 Q220 Q233 Q254 Q273;
R01779-X; 1779-U
- [02] D013 D023 D120 G017 G100 H4 H405 H421 H444 H8 M1 M113 M280 M320
M412 M430 M511 M520 M531 M540 M782 M903 M904 Q220 Q233 Q254 Q273;
R13044-M
- [03] H1 H100 H181 J0 J011 J1 J171 M280 M311 M321 M342 M349 M381 M391
M416 M430 M620 M782 M903 M904 M910 Q220 Q233 Q254 Q273; R00104-M;
0104-U
- [04] C101 C408 C550 C730 C800 C801 C802 C804 C805 C807 M411 M430 M782
M903 M904 M910 Q220 Q233 Q254 Q273; R01732-M; 1732-U
M3 - [01] C108 C550 C810 M411 M750 M903 M904 M910 Q220 Q233 Q254 Q273;
R01779-X; 1779-U
- [02] D013 D023 D120 G017 G100 H4 H405 H421 H444 H8 M1 M113 M280 M320
M412 M430 M511 M520 M531 M540 M782 M903 M904 Q220 Q233 Q254 Q273;
R13044-M
- [03] H1 H100 H181 J0 J011 J1 J171 M280 M311 M321 M342 M349 M381 M391
M416 M430 M620 M782 M903 M904 M910 Q220 Q233 Q254 Q273; R00104-M;
0104-U
- [04] C101 C408 C550 C730 C800 C801 C802 C804 C805 C807 M411 M430 M782
M903 M904 M910 Q220 Q233 Q254 Q273; R01732-M; 1732-U
PA - (CHUS) CHUGAI PHARM CO LTD
PN - JP9241637 A 19970916 DW199750 C09K15/34 012pp
PR - JP19960057678 19960314
XA - C1997-172905
XIC - A23L-003/3481 ; A61K-031/19 ; A61K-031/195 ; A61K-035/78 ; A61K-038/00
; A61K-045/06 ; B01J-020/22 ; C09K-003/00 ; C09K-015/34
AB - J09241637 Composition comprises an active oxygen radical scavenger and
at least 1 of uronic acids, uronides (sic), mucopolysaccharides and
amino acid-peptides.
- The active oxygen radical scavenger is preferably at least 1 of
catechins, tannin- polyphenols, anthocyanins, flavonoids and saponins.
- USE - The composition is useful in food, feed, drug and medical goods,
quasi-drug, cosmetic, detergent, deodorant, sanitary goods, clothing,
freshness-keeping material, wrapping container, animal and fish
breeding, plant culture, fermentation and culture industries.
- ADVANTAGE - The composition has high sensitivity to active oxygen
radicals.
- (Dwg.0/0)
CN - R00104-M R01732-M R01779-X R13044-M
DRL - 0104-U 1732-U 1779-U

**IW - COMPOSITION ACTIVE OXYGEN RADICAL REMOVE FOOD COMPRISE ACTIVE OXYGEN
RADICAL SCAVENGER URONIC ACID**

**IKW - COMPOSITION ACTIVE OXYGEN RADICAL REMOVE FOOD COMPRISE ACTIVE OXYGEN
RADICAL SCAVENGER URONIC ACID**

NC - 001

OPD - 1996-03-14

ORD - 1997-09-16

PAW - (CHUS) CHUGAI PHARM CO LTD

**TI - Composition for active oxygen radical removal for food, etc. -
comprises active oxygen radical scavenger and e.g. uronic acids**